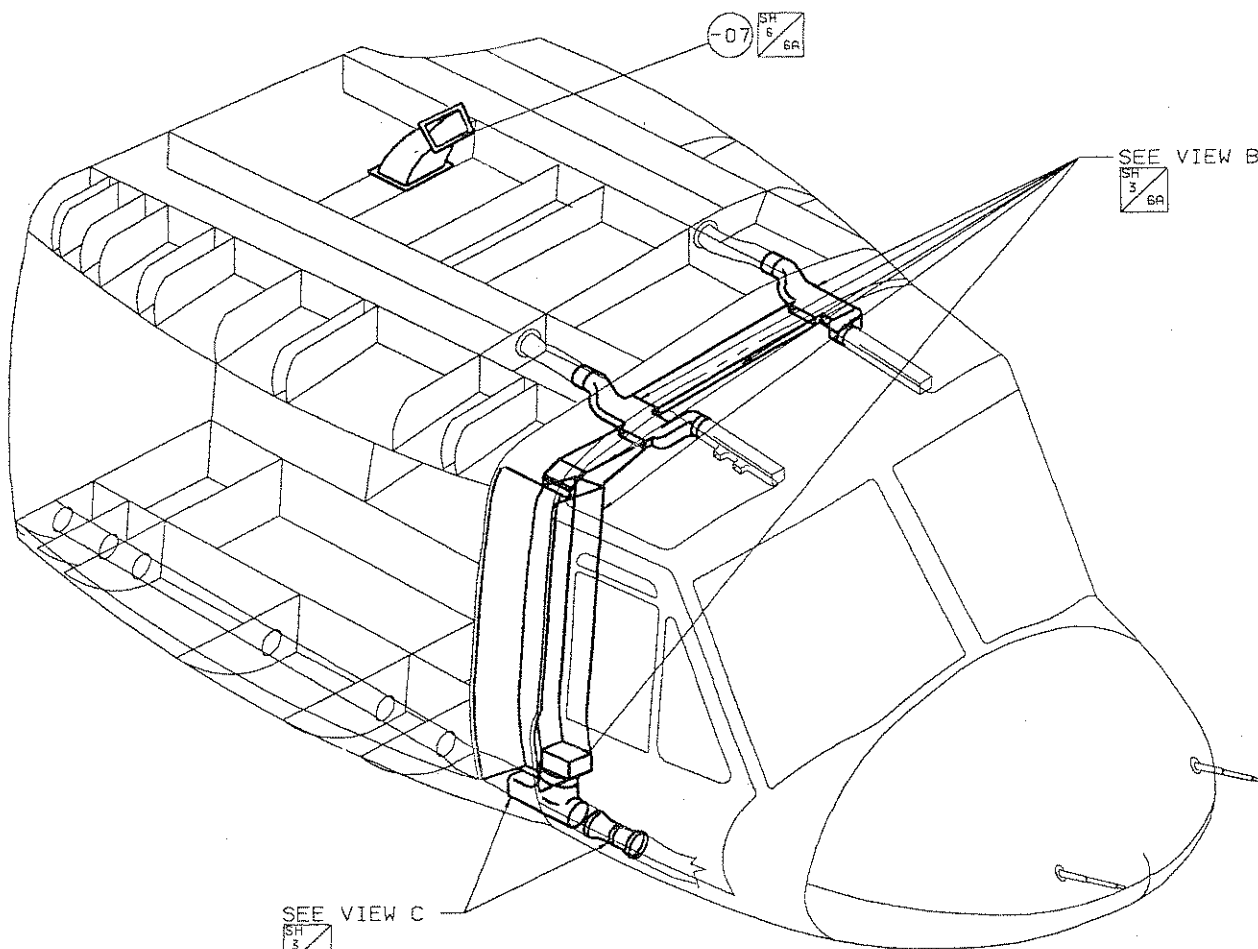


NOTES: (UNLESS OTHERWISE SPECIFIED):

1. IDENTIFY PARTS PER PREMIER IDENTIFICATION AND MARKING PROCEDURES 115-12112 (PARA. 2.1/2.2).
2. REMOVE ALL BURRS. BREAK ALL EDGES / CORNERS .015-.125 EXCEPT AS NOTED.
3. CHEM FILM (ALODINE) ALL ALUMINUM DETAIL PARTS PER MIL-C-5541, CLASS 1A, AND PRIME WITH EPOXY PRIMER PER MIL-P-23377C ZINC CHROMATE PRIMER PER MIL-TTP-1757, OR EQUIVALENT.
4. LENGTH OF AN, MS, NAS & CR RIVETS SHORTER THAN 1.00 ARE NOT SPECIFIED.
5. EDGE FILL PANEL PER PREMIER SPEC. 105-11007-100.
6. MAKE PARTS PER MOLD / TOOL SEE CHART BELOW MOLD / TOOL IS TO BE MARKED WITH PART NO. AND A "T" AT THE END. EXAMPLE: BXX-XXXXX-XTT. TRIM PARTS TO TRIM LINES. MINIMUM TRIMMING REQUIRED AT ASSY/INSTL.

PART #	TOOL #	PART #	TOOL #	PART #	TOOL #	PART #	TOOL #
-33	-33T	-43	-43T	-53	-53T	-63	-63T
-35	-35T	-45	-45T	-55	-55T	-65	-65T
-37	-37T	-47	-47T	-57	-57T	-67	-67T
-39	-39T	-49	-49T	-59	-59T	-69	-69T
-41	-41T	-51	-51T	-61	-61T	-71	-71T

7. KYDEX PARTS TO BE FORMED AND JOINED PER KLEERDEX COMPANY'S RECOMMENDATIONS.
8. INSERT INSTALLATION REF. PREMIER SPEC. 105-11007-100, PROCESS.
9. KYDEX PARTS INSTALLED INSIDE OF ACFT CABIN MUST MEET FAR 29.853 (a)(1) .



-01 INSTALLATION

REV STATUS OF SHEETS	REV	C	C	C	C	B	C	C	C	B	B	B
	SHEET	1	2	3	4	5	6	7	8	9	10	1

REVISIONS				DATE	APPROVED
ZONE	MOD	REV			
		-	MFG. RELEASE	3/9/92	R. STAR
		A	INCORP. CHANGES PER ECO 3598	8/9/92	<i>[Signature]</i>
		B	INCORP. CHANGES PER ECO 4174	6/1/94	<i>[Signature]</i> MRC
		C	REVISED PER ECO 4367	10/17/94	<i>[Signature]</i>

[illegible]

QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY PER	QTY 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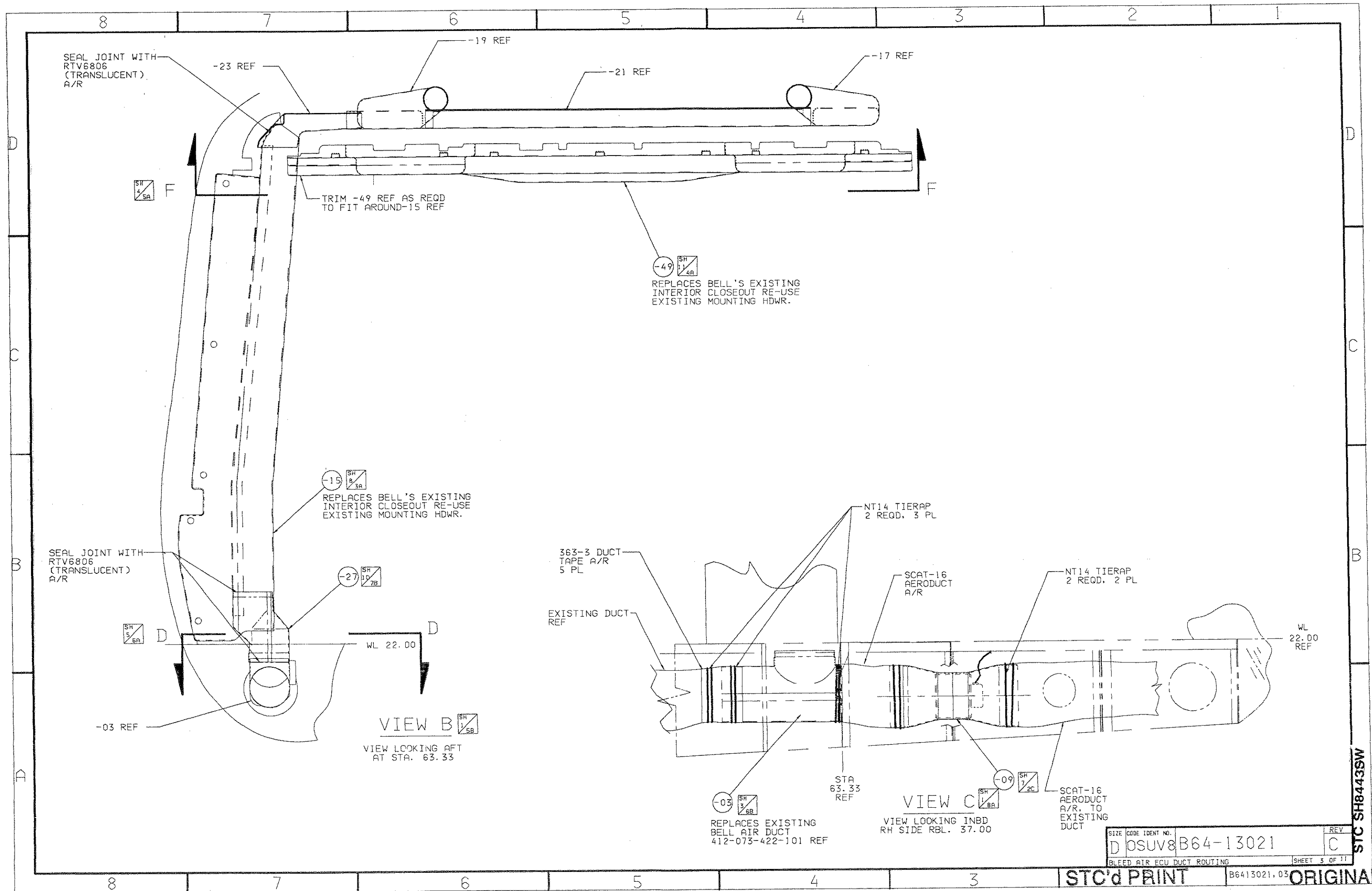
STC'd PRINT

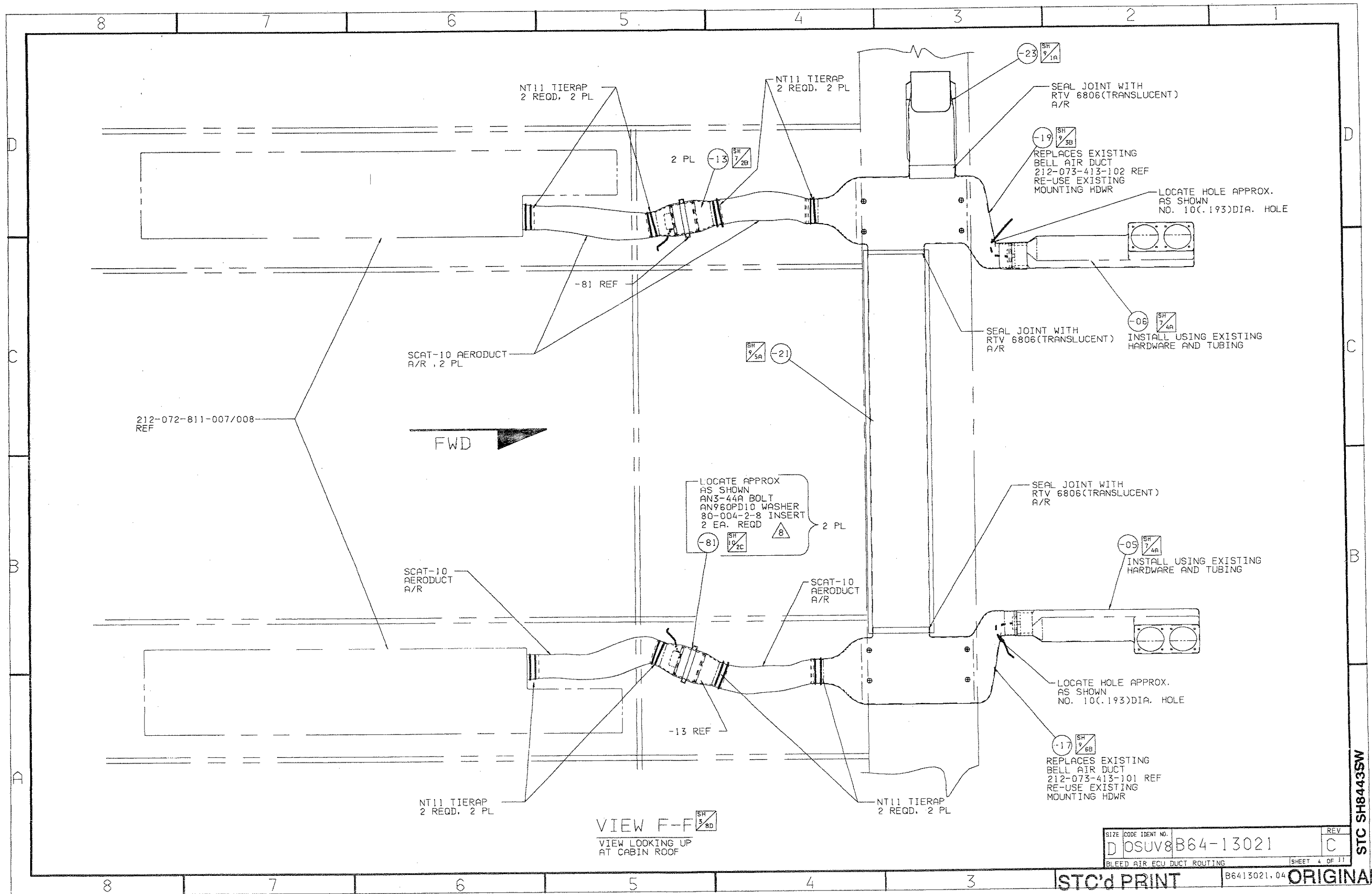
B6413021, 01

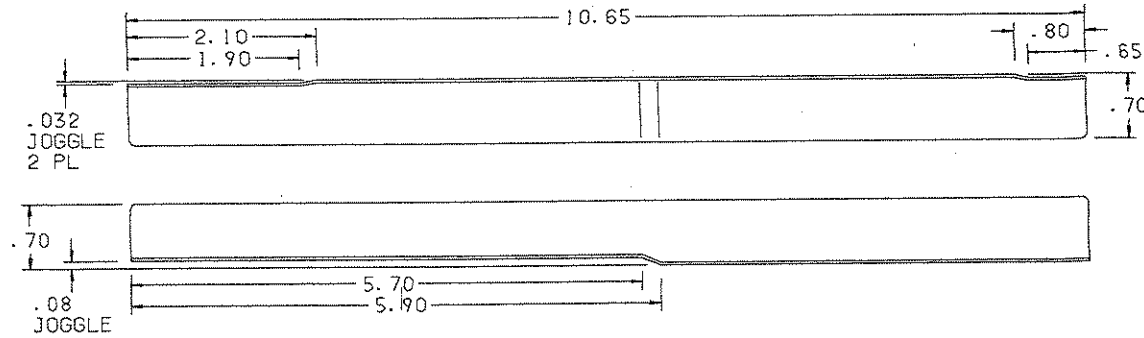
ORIGINAL

1

[illegible]



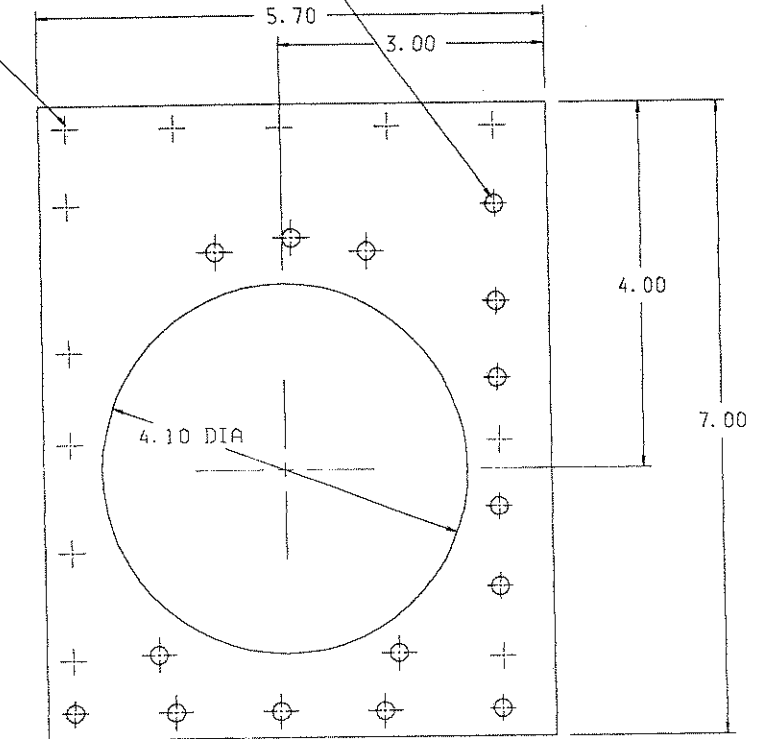




-107 BRKT  
M/F: .032 TH ALUM  
2024-T3, QQ-A-250/4

MATCH DRILL TO EXISTING  
HOLES IN 412-030-323-102  
PANEL REF. 12 PL

NO 40(.098) DIA HOLE  
15 PL



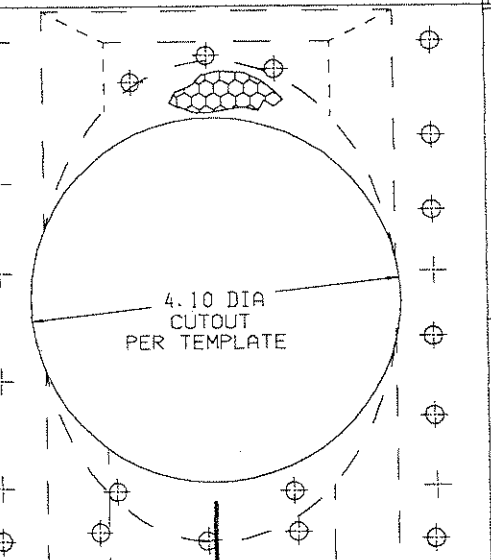
-107  
REPLACES BELL'S EXISTING  
BRKT USE EQUIVALENT  
EXISTING MOUNTING HDWR

CR3243-4 RIVETS  
27 PL

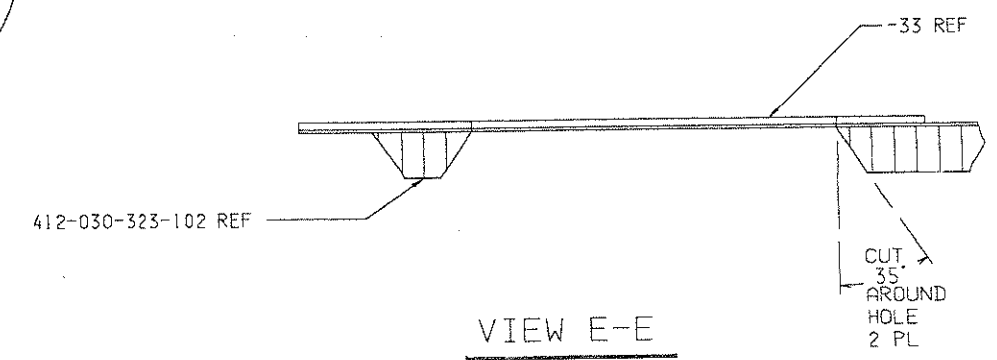
RBL 37.00 REF

STA  
63.33  
REF

-33



-33 DOUBLER  
MATL: .080 THK 2024-T3  
QQ-A-250/4  
TEMPLATE



REMOVE TIE DOWN LUG  
AND FILL WITH METAL SET

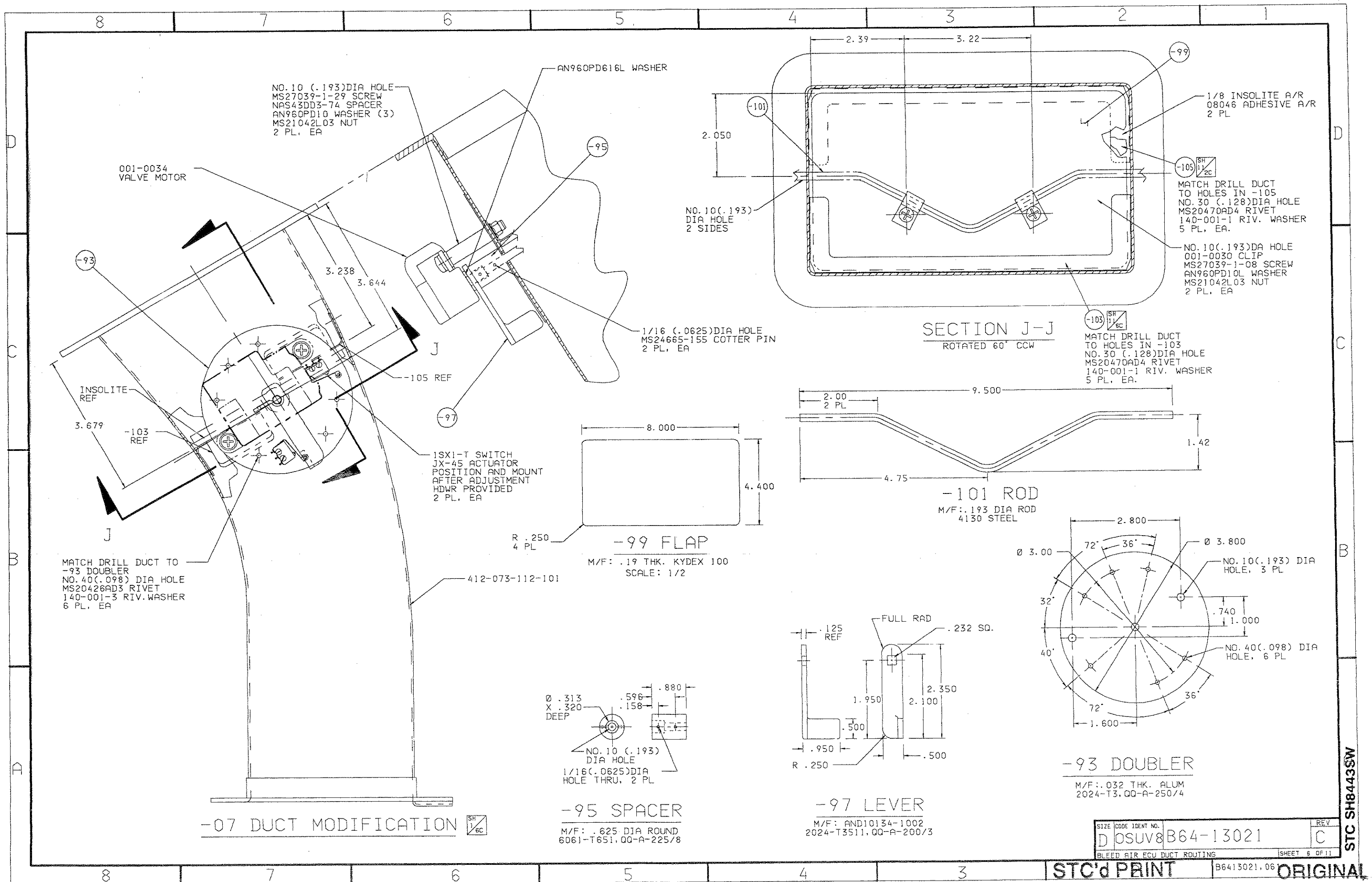
VIEW D-D  
-11 MOD  
VIEW LOOKING DOWN AT WL 22.0  
ROTATED 90° CW

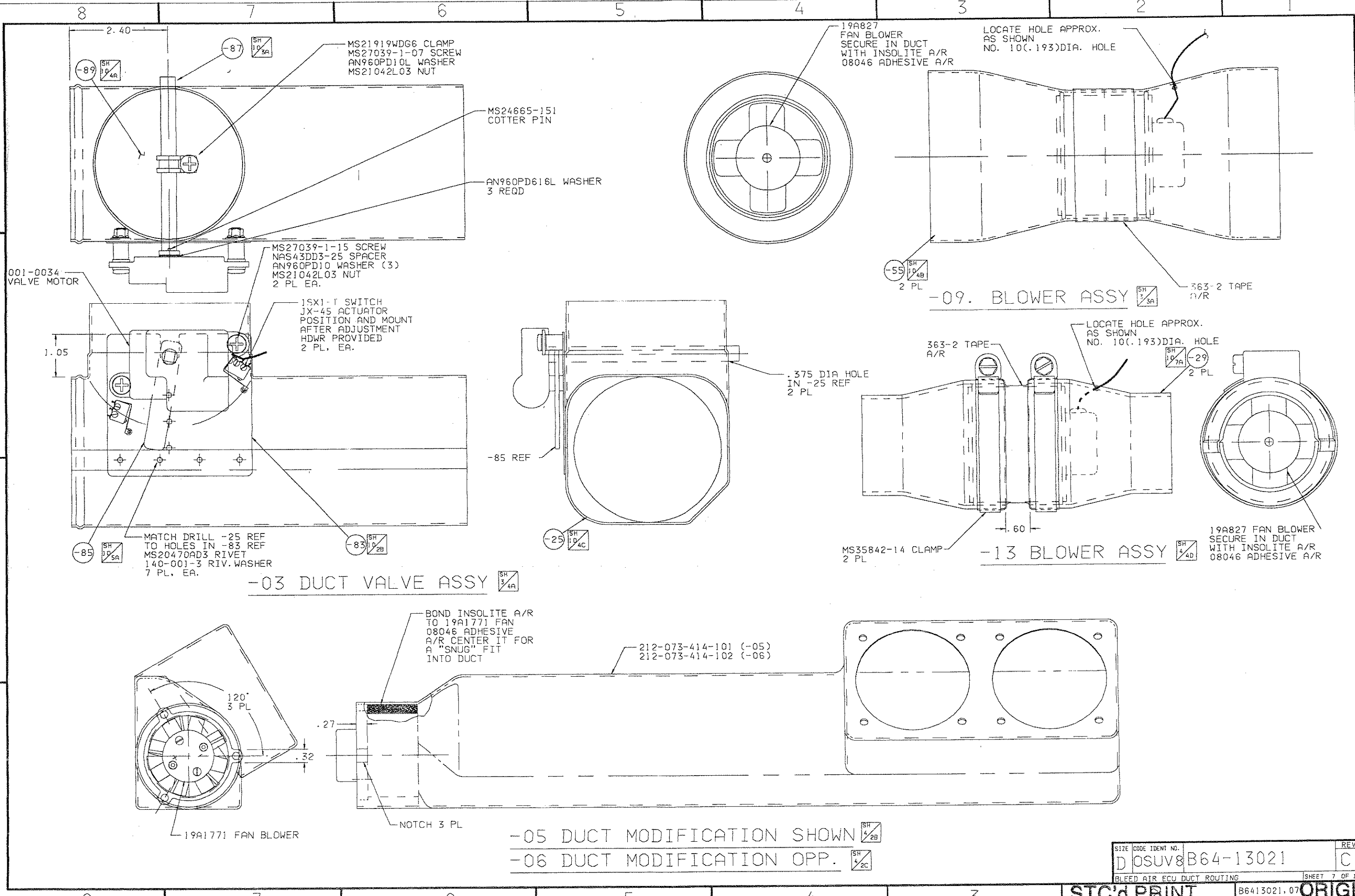
FWD

SIZE	CODE IDENT NO.	REV
D	OSUV8B64-13021	B
BLEED AIR ECU DUCT ROUTING		SHEET 5 OF 11

STC'd PRINT ORIGINAL

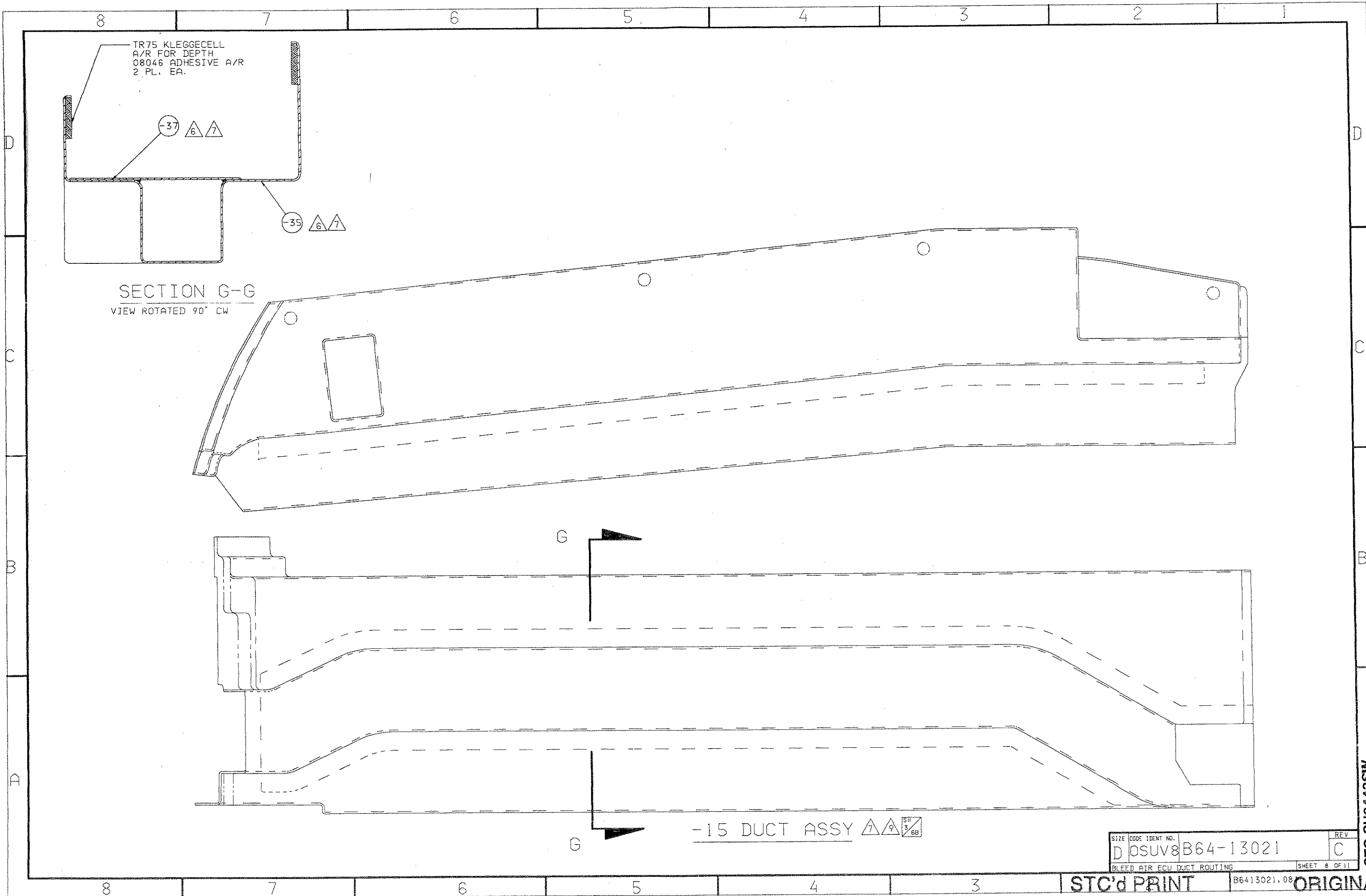
STC SH8443SW





SIZE	CODE	IDENT NO.	REV
D	OSUV8	B64-13021	C
BLEED AIR ECU DUCT ROUTING			SHEET 7 OF 11

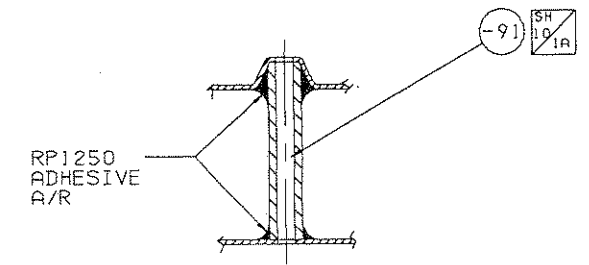
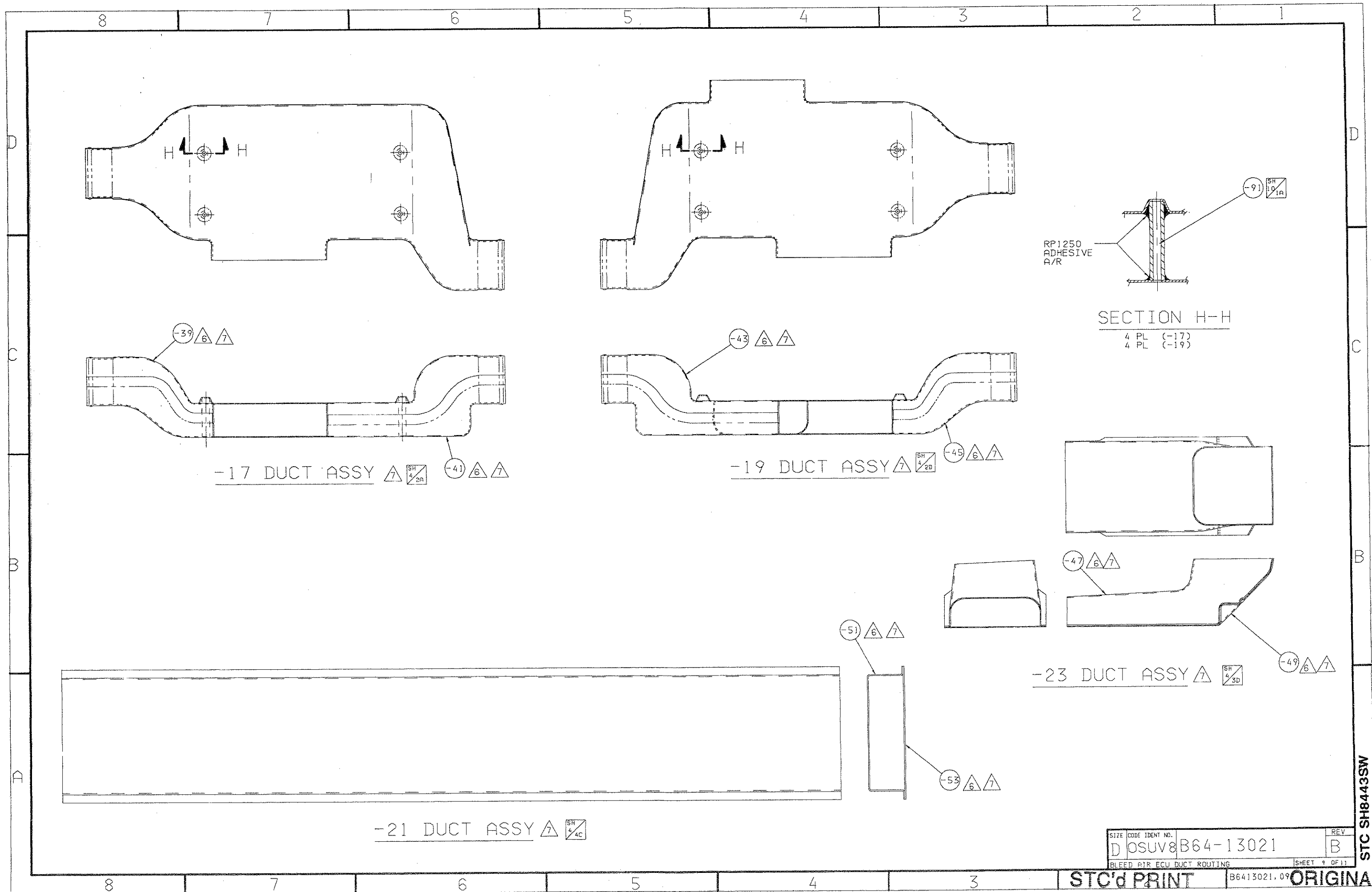
STC SH8443SW



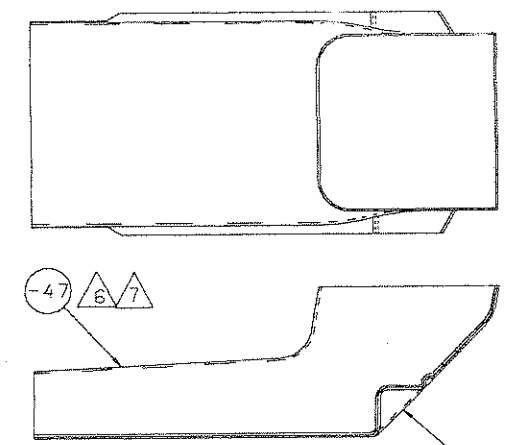
SIZE	CODE	IDENT NO.	REV
D	OSUV8	B64-13021	C
BLEED AIR ECU DUCT ROUTING			SHEET 8 OF 11

STC SH8443SW





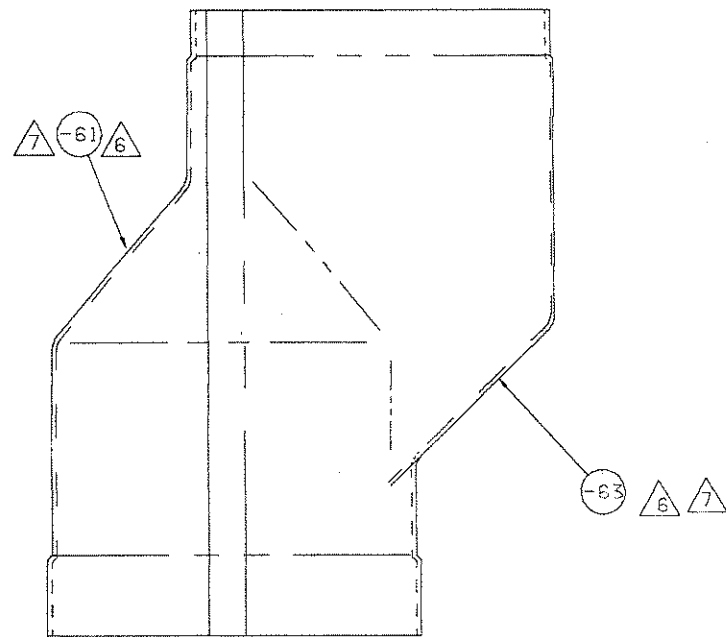
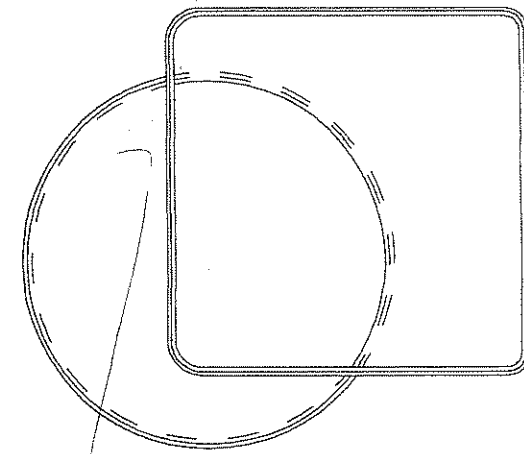
SECTION H-H  
4 PL (-17)  
4 PL (-19)



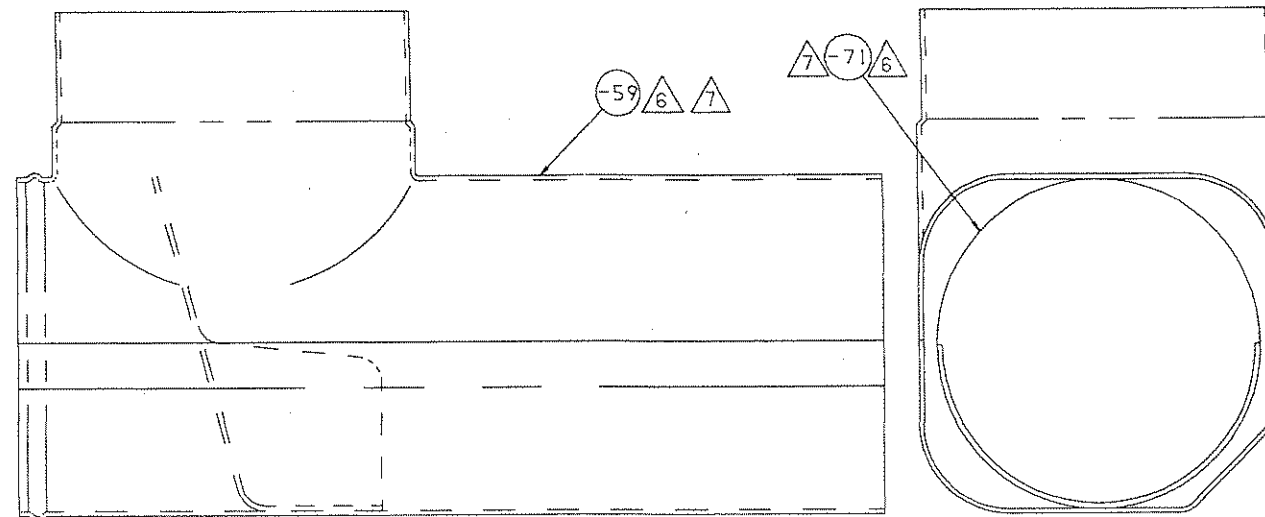
-23 DUCT ASSY

SIZE	CODE	IDENT NO.	REV
D	OSUV8	B64-13021	B
BLEED AIR ECU DUCT ROUTING			SHEET 9 OF 11

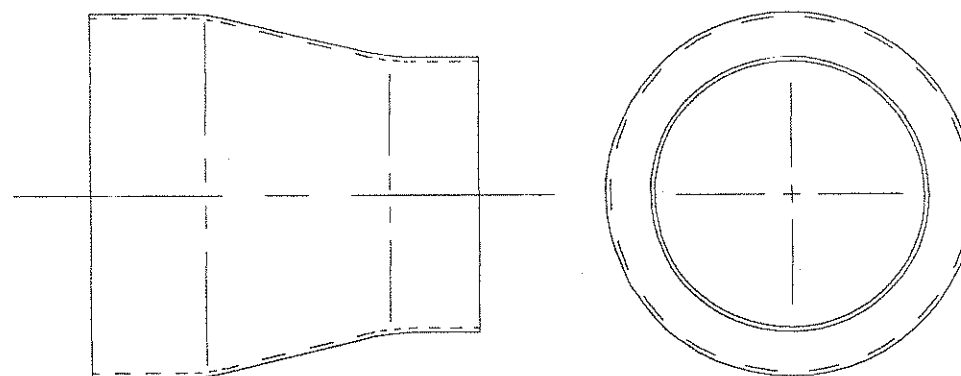
STC SH8443SW



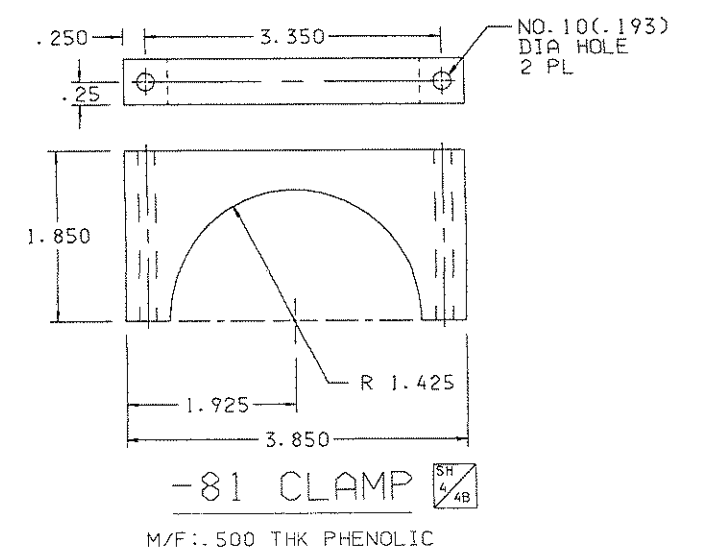
-27 DUCT ASSY



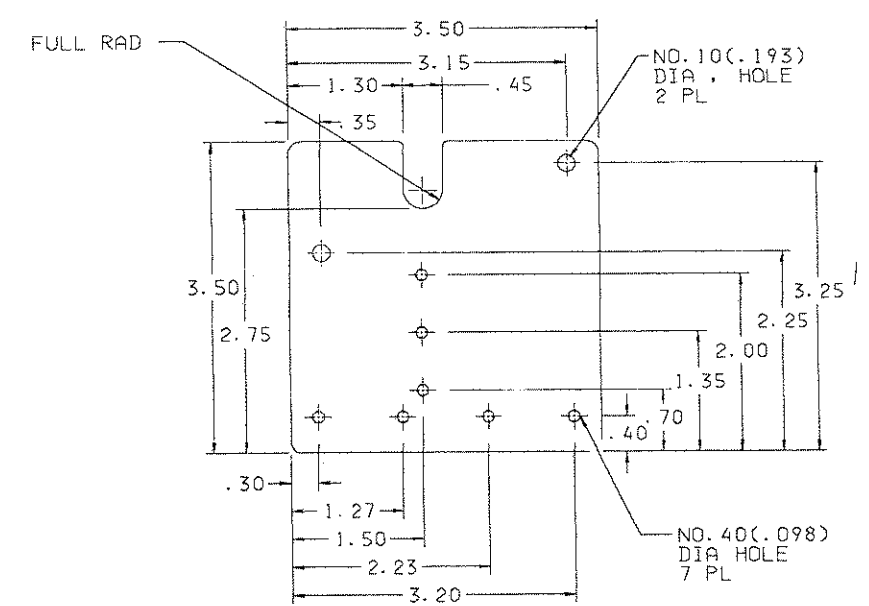
-25 DUCT ASSY



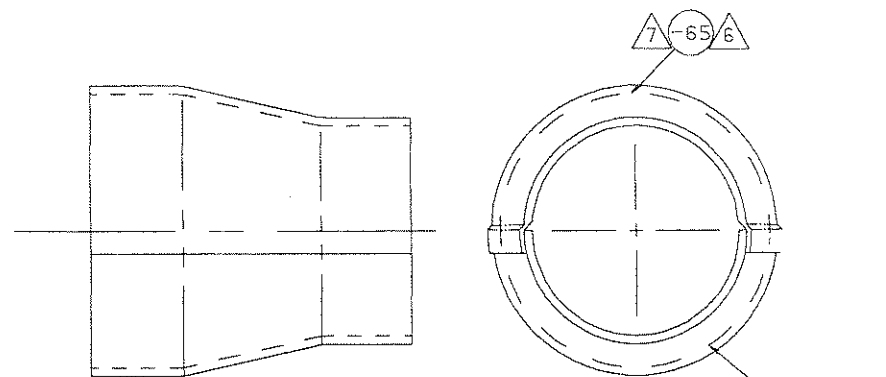
-55 DUCT



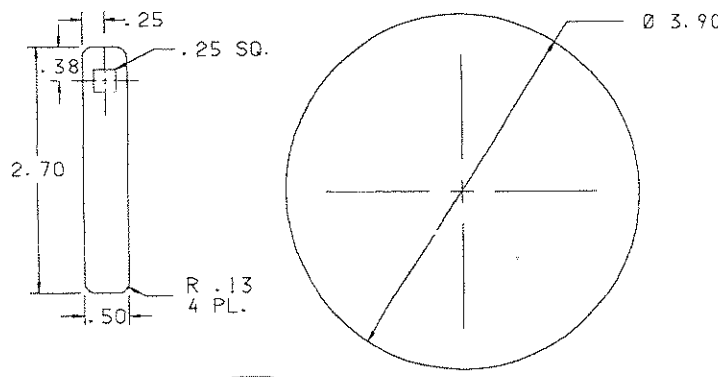
-81 CLAMP



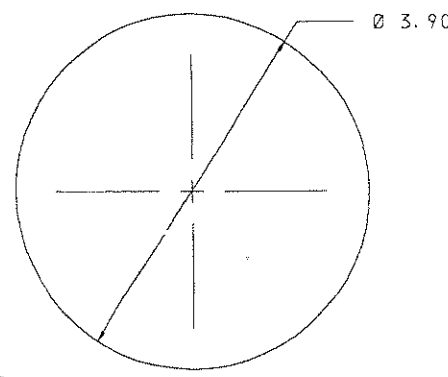
-83 BRKT



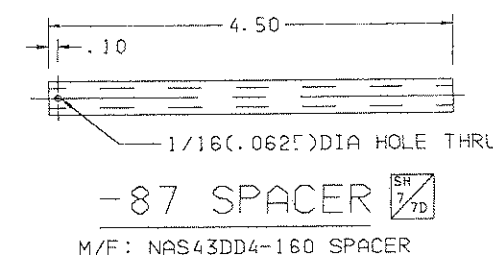
-29 DUCT ASSY



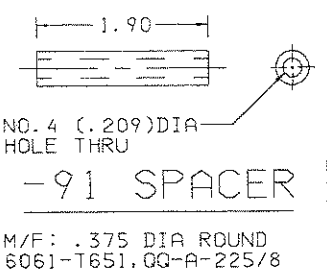
-85 BRKT



-89 BRKT



-87 SPACER



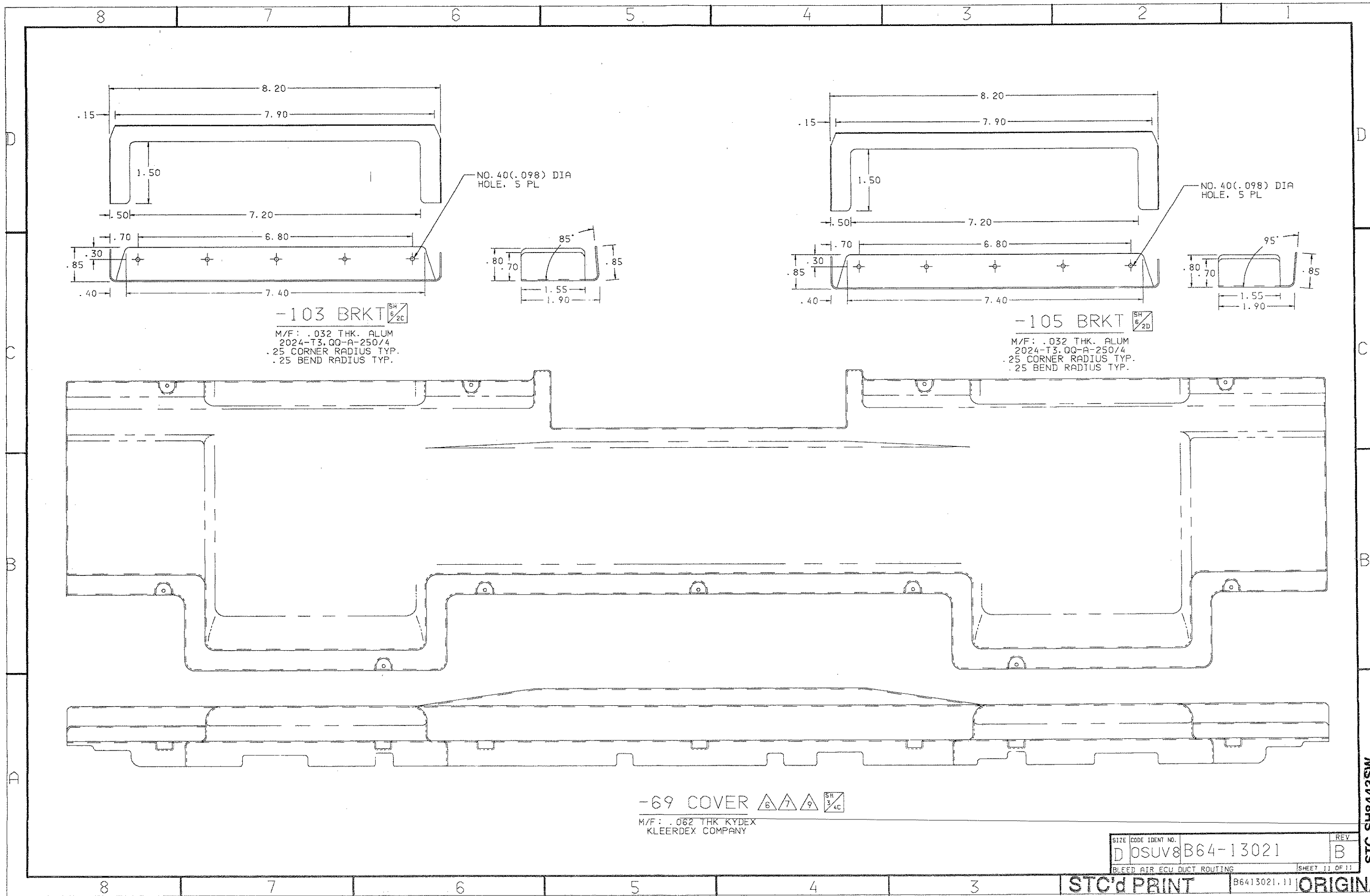
-91 SPACER

SIZE	CODE	IDENT NO.	REV
D	OSUV8	B64-13021	B
BLEED AIR ECU DUCT ROUTING			(SHEET 10 OF 11)

STC's PRINT

B6413021.10 ORIGINAL

STC SH8443SW



<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR         NO. <b>4425</b>	EFF DATE OF CHG <b>19 JAN. 95</b>	REQUESTED BY <b>Q.C.</b>	PAGE <b>1</b> OF <b>1</b>
REASON FOR CHANGE <b>ACFT UPDATE</b>	DOCUMENTS AFFECTED <b>SEE BELOW</b>	SYSTEM	MATL DISPOSITION
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERIAL NO EFF	RERWORK SCRAP USE AS IS

## DISPOSITION / COMMENTS

SEE BELOW

THIS ECO TO BE INCORPORATED AT A LATER DATE

## DESCRIPTION

"DWG. NO"	"REV. IS"	"STC NO."	ADD TO "USED ON" BLOCK "412EP"
B30.23000	D	SH8625SW	This portion incorp/ECO 4553
000.13000	E	SH8477SW	
000.13001	E	SH8478SW	
000.13002	E	SH8479SW	
B64.13020	C	SH8443SW	
B64.13021	C	"	
B64.13022	C	"	
B74.22008	B	"	
B19.13000	H	SH8202SW	
B19.13003	B	"	
B20.13101	G	SH8127SW	This portion Incorp per ECO 4991
B19.13001	G	SH7748SW	
B20.13006	C	"	
B74.24017	H	"	

IMPACT YES NO <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		PROCUREMENT ACTION YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>		PRIORITY 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>		CHANGE CLASSIFICATION <input checked="" type="checkbox"/> RECORD <input type="checkbox"/> PMA MAJOR <input type="checkbox"/> TSO MAJOR <input type="checkbox"/> PMA MINOR <input type="checkbox"/> TSO MINOR	
PREPARED BY <b>L. Celestino</b>	DATE <b>1/19/95</b>	PROJECT ENG <b>[Signature]</b>	DATE <b>1/19/95</b>	QA <b>[Signature]</b>	DATE <b>1/19/95</b>	FAA SUBMITTAL <b>YES</b>	
CHECKED BY <b>W. Hamaker</b>	DATE <b>1/19/95</b>	MFG <b>[Signature]</b>	DATE <b>1/19/95</b>	PROD SPRT <b>[Signature]</b>	DATE <b>1/19/95</b>	ENGRG APPR <b>W. Hamaker</b>	DATE <b>1/19/95</b>

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. <b>4656</b>	EFF DATE OF CHG <b>30 Nov. 95</b>	REQUESTED BY <b>N. BIVENS</b>	PREMIER	PAGE OF <b>1</b>
REASON FOR CHANGE <b>CERTIFICATION</b>		DOCUMENTS AFFECTED <b>B64-13020</b> <b>B64-13021</b> <b>B64-13022</b> <b>B74-22008</b>	SYSTEM	MATL DISPOSITION	
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERIAL NO EFF	REWORK	STORE	IN MFG.
			SCRAP		
			USE AS IS		

## DISPOSITION / COMMENTS

**B64-13020 REV. 15 "C"**  
**B64-13021 REV. 15 "C"**  
**B64-13022 REV. 15 "C"**  
**B74-22008 REV. 15 "B"**

**THIS ECO TO BE**  
**INCORPORATED AT**  
**A LATER DATE. (STC SH8443SW)**

## DESCRIPTION

• ADD "Z12" TO USED ON BLOCK TO  
 DRAWINGS LISTED ABOVE.

**B74-22008 Incorp per ECO 4991**

IMPACT		PROCUREMENT ACTION		PRIORITY		CHANGE CLASSIFICATION	
INTERCHANGEABILITY	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	1 <input type="checkbox"/>	RECORD		PMA MAJOR <input type="checkbox"/> TSO MAJOR <input type="checkbox"/>	
DRAWING CHANGE	<input type="checkbox"/>		2 <input type="checkbox"/>			PMA MINOR <input type="checkbox"/> TSO MINOR <input type="checkbox"/>	
SPECIFICATION	<input type="checkbox"/>		3 <input checked="" type="checkbox"/>				
SPARES	<input type="checkbox"/>						
PREPARED BY <b>L. CELESTINO</b>	DATE <b>11/30/95</b>	PROJECT ENG <b>[Signature]</b>	DATE <b>[Signature]</b>	QA <b>[Signature]</b>	DATE <b>11/30/95</b>	FAA SUBMITTAL <b>YES</b>	
CHECKED BY <b>W. Lamber</b>	DATE <b>11/30/95</b>	MFG <b>[Signature]</b>	DATE <b>[Signature]</b>	PROD SPRT <b>[Signature]</b>	DATE <b>[Signature]</b>	ENGRG APPR <b>W. Lamber</b>	DATE <b>11/30/95</b>

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. 4806	EFF DATE OF CHG 08-07-96	REQUESTED BY ROBERT FLORES	PREMIER	PAGE 1 OF 1
REASON FOR CHANGE ADD ALTERNATE MATERIAL		DOCUMENTS AFFECTED B64-13021	SYSTEM BLEED AIR ECU DUCT ROUTING	MATL DISPOSITION	
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERIAL NO EFF	REWORK	STORE	IN MFG.
			SCRAP		
			USE AS IS		

DISPOSITION / COMMENTS THIS IS AN UNINCORPORATED ECO. STC SH8443 SW  
REVISION IS "C."

DESCRIPTION LOCATION: DWG. B64-13021, SHEET 2, ZONE 1B

(WAS:) M/F: NAS43DD4-160 SPACER

(IS:) M/F: NAS43DD4-320 SPACER  
ALT. MATL: 2024-T3 TUBE PER  
QQ-A-200/3, .375 OD X .045 MIN WALL

LOCATION: DWG. B64-13021, SH. 10, ZN. 3A

(WAS:) - 87 SPACER

M/F: NAS43DD4-160 SPACER

(IS:) - 87 SPACER

M/F: NAS43DD4-320 SPACER  
ALT. MATL: 2024-T3 TUBE PER  
QQ-A-200/3, .375 OD X .045 MIN WALL

IMPACT		PROCUREMENT ACTION		PRIORITY		CHANGE CLASSIFICATION			
INTERCHANGEABILITY	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>		RECORD			
DRAWING CHANGE	<input type="checkbox"/>					<input type="checkbox"/> PMA MAJOR <input type="checkbox"/> TSO MAJOR			
SPECIFICATION	<input type="checkbox"/>					<input type="checkbox"/> PMA MINOR <input type="checkbox"/> TSO MINOR			
SPARES	<input type="checkbox"/>								
PREPARED BY C.I. MARSHALL	DATE 8/7/96	PROJECT ENG	DATE	QA	DATE	FAA SUBMITTAL YES			
CHECKED BY M. Hamaker	DATE 8/7/96	MFG	DATE	PROD SPRT	DATE	ENGRG APPR M. Hamaker			

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. <u>4834</u>	EFF DATE OF CHG <u>9/13/96</u>	REQUESTED BY ECR 971	PREMIER	PAGE <u>1</u> OF <u>1</u>
REASON FOR CHANGE		DOCUMENTS AFFECTED	SYSTEM BLEED AIR ECU DUCT ROUTING	MATL DISPOSITION	
ADD NOTES		B64-13021 REV "C"	SERIAL NO EFF	REWORK	STORE <input type="checkbox"/> IN MFG. <input type="checkbox"/>
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>				SCRAP	
				USE AS IS	

## DISPOSITION/COMMENTS

THIS ECO UNINCORPORATES ECR 971  
REV; IS "C"

STC SH8443SW

## DESCRIPTION

LOCATION DWGN B64-13021, SHEET 1 ZONE 8C AND PL , ZONES 1C-1D

ADDED:



ALTERNATE MATL. THK .093  
FOR ALL KYDEX 100 PARTS.

IMPACT		YES		NO		PROCUREMENT ACTION		PRIORITY		CHANGE CLASSIFICATION			
INTERCHANGEABILITY		<input type="checkbox"/>		<input checked="" type="checkbox"/>		YES		1 <input type="checkbox"/>		RECORD			
DRAWING CHANGE		<input type="checkbox"/>		<input checked="" type="checkbox"/>		NO		2 <input type="checkbox"/>		<input type="checkbox"/> PMA MAJOR <input type="checkbox"/> TSO MAJOR			
SPECIFICATION		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		3 <input checked="" type="checkbox"/>		<input type="checkbox"/> PMA MINOR <input type="checkbox"/> TSO MINOR			
SPARES		<input type="checkbox"/>		<input checked="" type="checkbox"/>									
PREPARED BY	DATE	PROJECT ENG	DATE	QA	DATE	FAA SUBMITTAL							
M. HOWELL	9/13/96			<i>W. Hamaker</i>	9/13/96	NO							
CHECKED BY	DATE	MFG	DATE	PROD SPRT	DATE	ENGRG APPR	DATE						
<i>W. Hamaker</i>	9/13/96					<i>W. Hamaker</i>	9/13/96						

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR         NO. <b>4842</b>	EFF DATE OF CHG 09-17-96	REQUESTED BY ECR 454 WAYNE JOHNSON	PREMIER         PAGE <u>1</u> OF <u>1</u>
	REASON FOR CHANGE .190 THK KYDEX IS NOT AVAILABLE.	DOCUMENTS AFFECTED B64-13021	SYSTEM BLEED AIR ECU DUCT ROUTING
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERIAL NO EFF	

DISPOSITION / COMMENTS

THIS IS AN UNINCORPORATED ECO.

REVISION C. STC SH8443SW

**DESCRIPTION** LOCATION : DOWD. DD. B64-13021, SHEET 6, ZONE 5B.

(WAS) .190 THK KYDEX 100

(IS) ALTERNATE MATERIAL:  
 .125 THK KYDEX 100

IMPACT INTERCHANGEABILITY <input checked="" type="checkbox"/> DRAWING CHANGE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> SPARES <input type="checkbox"/>		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PROCUREMENT ACTION YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PRIORITY 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>	CHANGE CLASSIFICATION <input checked="" type="checkbox"/> RECORD <input type="checkbox"/> PMA MAJOR <input type="checkbox"/> TSO MAJOR <input type="checkbox"/> PMA MINOR <input type="checkbox"/> TSO MINOR	
PREPARED BY Gloria I. Marshall	DATE 9/17/96	PROJECT ENG _____	DATE _____	QA W. Johnson	DATE 9/18/96	FAA SUBMITTAL YES
CHECKED BY W. Johnson	DATE 9/17/96	MFG J. Marshall	DATE 9/17/96	PROD SPRT _____	DATE _____	ENGRG APPR W. Johnson

ECO ☒ 4842 ECR ☐



<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. 4860	EFF DATE OF CHG 04 OCT 96	REQUESTED BY ECR 977 WAYNE JOHNSON	PREMIER	PAGE 1 OF 1
REASON FOR CHANGE UP-GRADE		DOCUMENTS AFFECTED BL4-13021	SYSTEM BLEED AIR ECU DUCT ROUTING	MATL DISPOSITION	
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERIAL NO EFF	REWORK	STORE	IN MFG.
			SCRAP		
			USE AS IS		

DISPOSITION / COMMENTS THIS IS AN UNINCORPORATED ECO. STC #SHB4435W  
REV. IS C.

DESCRIPTION LOCATION: BL4-13021, SHEET 6, ZONE 5B.

(WAS:) - 99 LAP  
M/F .19 THK KYDEX 100  
SCALE: V2

(IS:) - 99 LAP  
M/F .19 THK KYDEX 100  
ALT: .125 THK KYDEX 100  
SCALE: V2

LOCATION: BL4-13021, SHEET 2, ZONE 3A.

(WAS:) PART LIST:  
-85 BRKT M/F: .100 THK ALUM  
2024-T3, QQ-A-250/4

(IS:) PART LIST:  
-85 BRKT M/F: .032 THK ALUM  
2024-T3, QQ-A-250/4

IMPACT		PROCUREMENT ACTION		PRIORITY	CHANGE CLASSIFICATION	
INTERCHANGEABILITY	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	1 <input type="checkbox"/>	RECORD		
DRAWING CHANGE	<input type="checkbox"/>		2 <input type="checkbox"/>	<input type="checkbox"/> PMA MAJOR	<input type="checkbox"/> TSO MAJOR	
SPECIFICATION	<input type="checkbox"/>		3 <input checked="" type="checkbox"/>	<input type="checkbox"/> PMA MINOR	<input type="checkbox"/> TSO MINOR	
SPARES	<input type="checkbox"/>					
PREPARED BY	DATE	PROJECT ENG	DATE	QA	DATE	FAA SUBMITTAL
GLORIA I. MARSHALL	10-04-96			M. Johnson	10/7/96	YES
CHECKED BY	DATE	MFG	DATE	PROD SPRT	DATE	ENGRG APPR
M. Johnson	10/4/96		10/7/96			M. Johnson
						DATE
						10/4/96

ECO 4860 ECR